

COKE DRUM BOTTOM HEAD REMOVAL SYSTEM

Abstract of the Disclosure

A coke drum bottom head removal system and method for deheading the bottom head cover of a coke drum comprises a carriage that is positionable beneath the bottom head cover, and a cart mounted to the carriage. Several clamps vertically mounted to the cart are positionable in a closed position, in which the clamps apply a compressive force that maintains substantially fluid tight engagement between the bottom head cover and bottom head flange, and an opened position, in which the clamps allow a limited spacing between the bottom head cover and the bottom head flange. A plurality of supports mounted to the cart support the bottom head cover once the fasteners coupling the bottom head cover to the bottom head flange are removed and the clamps are in the opened position. The system can be remotely operated to enhance operator safety when the bottom head cover is removed.

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